SEQUENCE LISTING

<110> Dyer, Cheryl J.
Du, Fengxing
Grosz, Michael D.
Byatt, John C.

<120> USE OF A SINGLE NUCLEOTIDE POLYMORPHISM IN THE CODING REGION OF THE LEPTIN RECEPTOR GENE TO ENHANCE PORK PRODUCTION

<130> 11916.0058.00PC01

<150> US. 60/553,582
<151> 2004-03-16

<150> U.S. 60/493,158
<151> 2003-08-07

<160> 44

<170> PatentIn version 3.2

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tgtatatata tacactcaca tacatgtata tatatatatg tgagtgtata tatatattta 180

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tgttgaaacg gaacttaatt caagtggtac ctacttatca aacttatctt ctaaaacaac 660

tttccactgt tgcttttgga gtgaggaaga taaaaactgc tctgtacatg cagacaacat 720

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aatgtcctaa ca gaa ttt att tat gtg ata act gca ttt gac ttg gca tat 171
Glu Phe Ile Tyr Val Ile Thr Ala Phe Asp Leu Ala Tyr
1 5 10

cca att act cct tgg aaa ttt aag ttg tct tgc atg cca cca aat aca 219
Pro Ile Thr Pro Trp Lys Phe Lys Leu Ser Cys Met Pro Pro Asn Thr
15 20 25

aca tat gac ttc ctc ttg cct gct gga atc tca aag aac act tca act 267
Thr Tyr Asp Phe Leu Leu Pro Ala Gly Ile Ser Lys Asn Thr Ser Thr
30 35 40 45

ttg aat gga cat gat gag gca gtt gtt gaa ang gaa ctt aat nna agt 315
Leu Asn Gly His Asp Glu Ala Val Val Glu Xaa Glu Leu Asn Xaa Ser
50 55 60

ggt acc tac tta tca aac tta tct tct aaa aca act ttc cac tgt tgc 363
Gly Thr Tyr Leu Ser Asn Leu Ser Ser Lys Thr Thr Phe His Cys Cys
65 70 75

ttt tgg agt gag gaa gat aaa aac tgc tct gta cat gca gac aac att 411
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<223> The 'Xaa' at location 60 stands for Ile or Ser.

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35 40 45

His Asp Glu Ala Val Val Glu Xaa Glu Leu Asn Xaa Ser Gly Thr Tyr
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acatctggtg gagcagtttt tcactcacct ctcatgtcag ttcagcccat aaacgttgtg 720

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tcttggtcca gcccaacact ggtaccattt caacttcaat atcaagtaaa atattcagag 840

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tgcagaggaa gtttattttc ccttagcttt tgcgtcgtta aaatgattac tcctgaggaa 180

atatgaccct acatttggta tttggaaaca gggagtcagt tttattggaa agggatgaga 240

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ggctgtttct attcctctgg tcaatatgta gctcatctct aaacaggaac atagggctcc 420

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catcaatctg tttagacttg aagtcanngc tcaaattann ttctgnnntt tcatnnngnn 600

cnnnnntngn nnnnnnnnnn nnnagcttgt gtgccaattt nnnnnnnnnn natgaantac 660

tcnnannnnn nnnnnnnnnn nnngnnnaaa nnnnnnnnnn nnnncnncnn nnnnnnnnnn 720

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 780

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 840

nnnnnnnnnn nnnncagnnt natgaannnn nnctanannn nnncnacttg gacctggggc 900

actattgtgg tctcaggagt tctgttccca ggattcagga attcactaga gtgtacacag 960

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ggtcc 1025

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<213> Sus scrofa

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ttcttgtaat gttttgtatc gtgtattata taacctgaac atcgcttaag agagacatac 180

acccccgcc ccttgccagc gaggacagca gtgggtctgc cctacgcctt gtccgagttg 240

ctaatattcc tcaacccctt caccaaccgg tttgggaaac aggattctca cgttagatac 300

gaaatggtct cgattgagct tttacttttg tatagttcaa caggggtaga gagccatggg 360

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ctactataat tnnnnntttt cnnnnt 446

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aacagaatat caaaagaggg gtaaagccta catatcttca gtctaaaaaa tgaagttata 180

aaactcttag tgtcttaagc tatgttttca acagaccctc tgatatttgg aaaagcagag 240

gaaaatttgg aagcccactg ttgcaatcaa caggagctac taaaatttta gtctattttt 300

ttcaactcta tcagttcttt tcttatactc aaatgattat cctggctatt aaataatctc 360

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agagttagaa cttttcattt cctacttcat atgcaagaaa ttttctctcc ctttgtctac 540

ttcataagta atgattagca atgggtaaat atcaaaagag ctaacggtag actatatttt 600

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atatgtnnnn ngnnnctcag tngatgccnn nnnctnnnnn tngtactgaa cgctacatat 720

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gaaatcctgt acatactggt gcccagtgtt gccatccccc tggccattgc cttactcttc 300

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gggtagccct gccccccacc ttcccagcct ttttctgaga tgttggtaat tcggtcctag 480

atgacaagcg ctcaactctg aacaagagac ggccatctca caccgtctca attagtccag 540

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